

## Mary Mitchell - Logbook

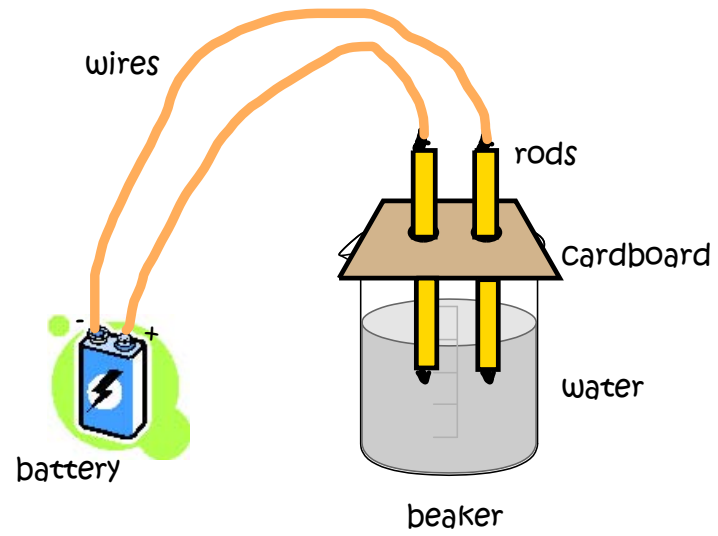
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Draw a sketch of how the experiment will be set up.

(see attached)

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### Setup for the Conductor Experiment



### Materials

1 piece of cardboard (8 cm x 8 cm) with two holes  
300 ml of tap water  
9 volt battery  
1000 ml beaker  
2 copper wires (15 cms long)  
rods (2 felt tip makers, 2 plastic straws, 2 pencils - with both ends sharpened)

### Procedure

1. Fill the beaker with 300 ml of tap water.
2. Put the battery next to the beaker.
3. Put the cardboard on top of the beaker.
4. For each pair of rods (straws, markers, pencils), do the following:
  - a. Put the rods into the water through the cardboard on top of the beaker.
  - b. Connect one wire to the top of the one of the rods and the plus (+) side of the battery.
  - c. Connect the other wire to the other rod in the beaker and the minus (-) side of the battery.
  - d. Wait 10 seconds and look for gas bubbles in the beaker.
  - e. Record the outcome in a data collection chart.
  - f. Repeat steps a-e two more times for a total of three trials.